

# Micro PAVER v5.x Enhancements

Micro PAVER 5.0 (herein referred to as PAVER) has numerous improvements over its predecessor. The following list will outline many of the important improvements made to the program.

The first area where improvements have been made is in the **Tables** area on the menu bar. Note that these system tables are used by all databases regardless of what database is online.

- **Tables**
  - **Define User Fields ▶ Additional User Fields:** Allows the user to define user-specific fields.
  - **M&R Plan Tables ▶ Major M&R:** Tab 5 is a Priority Table that is a function of branch use and section rank. Branch use priority and section rank priority can be defined by tabs 3 and 4, respectively.
  - **Condition Tools ▶**
    - **Define Condition And Age Categories:** This allows the user to define ranges for conditions and ages to be used in all reports including summary charts and condition analysis.
    - **Select Condition Types:** The user can select conditions that will be shown throughout PAVER, i.e. summary charts, condition analysis, etc...
    - **Define User Distress Indices:** The user can define any distress index for any selected groups of pavements. It is important to calculate the index for all sections—this can be a long process, that may take up to an hour.

The second area where improvements can be seen is the **Visual Menu** button on the PAVER toolbar. The Visual Menu options are used when dealing with specific databases. We will highlight several of the improvements made to this area of PAVER.

- **Visual Menu**
  - **Selectors:** The user can use various selector functions. The combination of **Tree and GIS** is what is used in the **Selection** button on the PAVER toolbar. Making a selection using any of the tools will be reflected throughout the system. The selection tools serve as a broadcast system.
  - **Inventory**
    - **Copy and Move Data:** Allows the user to move work history and inspection data among inventory items.
  - **Inspection**
    - **All Conditions and Assignments:** Allows user to view the condition and family assignment for any given section. This function is also available as a new tab on the **Inventory\Sections** tab.
  - **Reports:** There are two new options for reports.
    - **User-Defined Report:** Allows the user to select what columns are to be used in the report. Select **Create New Report** to select what

columns are to be included in the report. To choose the columns, highlight the table from the tree with the desired columns. Then select the desired column from the left-hand-side window and move it to the right-hand-side window.

- **GIS Reports:** These provide inventory and PCI data reports.
- **Condition Analysis**
  - **Condition Analysis Report:** Part of the output includes GIS views.
- **M&R**
  - **M&R Plan:** On the **Plan Mode** tab, the user can select either *Determine Budget Consequence* (identical to v4.2) or *Determine Budget Requirements* (new feature).
    - The budget requirement feature allows the user to eliminate backlog in the number of years specified for the plan. The number of years is specified under the **Timing** tab. This is used by clicking the *Backlog elimination in X years* option.
    - The budget requirement feature can also determine the budget required to maintain the current PCI or achieve a desirable PCI in the number of years for the plan. This is used by clicking the *Condition Stabilization* option.
  - **Policies and Costs**
    - The user has the option to apply localized policies in the first year as in v4.2 of PAVER.
    - Or you can simply use M&R cost by condition for all years (new). The user may select the major M&R start year and when the user selects a date for major M&R later than the plan start year, you can also select to show the backlog during the time as well. This feature is useful in determining the consequence of no major M&R for a specified time period.

There are also many reporting improvements located throughout the system. Some final things to note: For added convenience, PAVER allows the docking of windows. This can be accomplished by right clicking the diamond icon on the window desired to be docked. Another added feature is located on the **PCI** Inspection form. When you right click on a distress, you are taken to the distress manual and a description of the distress along with images.